

XP-002425006

(C) WPI / Thomson

- AN - 2005-186487 [20]  
AP - JP20030202343 20030728  
PR - JP20030202343 20030728  
TI - Water-in-oil emulsion composition for use as cosmetic liquid or sunscreen cream, contains cross-linked polyether modified silicone, water-soluble L-ascorbic acid derivative, organic acid salt and silicone oil  
IW - WATER OIL EMULSION COMPOSITION COSMETIC LIQUID SUNSCREEN CREAM CONTAIN CROSS LINK POLYETHER MODIFIED SILICONE SOLUBLE ASCORBIC ACID DERIVATIVE ORGANIC SALT  
IN - MIYAMOTO K; MORIKAWA T; MORIMOTO H  
PA - (NONO-N) NONOGAWA SHOJI KK  
PN - JP2005041809 A 20050217 DW200520  
PD - 2005-02-17  
IC - A61K7/00; A61K7/42  
DC - A25 A26 A96 D21 E11 E13  
AB - NOVELTY :  
Water-in-oil emulsion composition contains (a) cross-linked polyether modified silicone (1), (b) water-soluble L-ascorbic acid derivative, (c) organic acid salt and (d) silicone oil, as essential components.  
- DETAILED DESCRIPTION :  
[Image] (1)  
l : 3-20;  
m : 10-200; and  
n : 1-10.  
The structural portion cross-linked by polyoxyethylene exist in intramolecular arbitrary locations.  
- USE :  
As cosmetics.  
- ADVANTAGE :  
The sticky feeling of water-soluble L-ascorbic acid derivative is reduced and water-in-oil emulsified cosmetics having excellent stability is produced.  
- ORGANIC CHEMISTRY :  
Preferred Amount: The composition contains (a) cross-linked polyether modified silicone (in wt.%) (0.1-20, preferably 0.5-10), (b) water-soluble L-ascorbic acid derivative (0.1-10, preferably 1-8), (c) organic acid salt (0.1-10, preferably 0.5-6), and (d) silicone oil (3-50, preferably 5-20).  
Preferred Components: The water-soluble L-ascorbic acid derivative is L-ascorbic acid magnesium phosphate, L-ascorbic acid sodium phosphate or L-ascorbic acid sodium sulfate. The organic acid salt is sodium citrate, potassium citrate, magnesium sulfate or sodium chloride. The silicone oil is cyclomethicone, dimethicone (1-30 CS) or methylphenyl polysiloxane.  
- EXAMPLE :

Cosmetic liquid was prepared by compounding (in wt.%) L-ascorbic acid magnesium phosphate (1), sodium citrate (1), glycerin (10), methyl paraben (quantity sufficient (Q.S.)), KSG-210 (5), KSG-16(10), dimethicone (5), cyclomethicone (10), fragrance (Q.S.) and purified water (remaining quantity). The cosmetic liquid was free from sticky feeling and had excellent stability.